Commercial Motor Vehicles in Collisions

Table 39 shows Commercial Motor Vehicle (CMV) collisions for 2001 through 2005. For the purposes of collision reporting, CMV's are buses, truck tractors, tractor-trailer combinations, trucks with more than two axles, trucks with more than two tires per axle, or trucks exceeding 8,000 pounds gross vehicle weight. This category also includes pickups with dual rear wheels.

Table 39
Commercial Motor Vehicle Collision Rates : 2001-2005

	2001	2002	2003	2004	2005	Change 2004-2005	Avg. Change 2001-2004
Fatal Collisions	35	32	40	31	30	-3.2%	-2.0%
Injury Collisions	542	526	492	536	527	-1.7%	-0.2%
Total Collisions	1,893	1,766	1,704	1,918	1,983	3.4%	0.8%
Commercial VMT (100 millions)	25.2	25.4	25.4	26.4	27.3	3.6%	1.6%
Fatal Collision Rate	1.4	1.3	1.6	1.2	1.1	-6.5%	-3.3%
Injury Collision Rate	21.5	20.7	19.3	20.3	19.3	-5.1%	-1.8%
Total Collision Rate	75.2	69.4	67.0	72.6	72.5	-0.2%	-0.9%

Table 40 presents the location of CMV collisions by severity and roadway type. While 55% of all CMV collisions occurred on rural roadways, 63% of fatal CMV collisions took place on rural roadways.

The largest percentage of all CMV collisions (43%) occurred on local roads, while the largest percentage of fatal CMV collisions (57%) took place on US and State highways.

Table 40
Location of Commercial Motor Vehicle Collisions by Roadway Type: 2005

	Fatal		Injury		Property Damage		All Collisions	
Interstate								
Rural	1	3.3%	71	13.5%	168	11.8%	240	12.1%
Urban	2	6.7%	45	8.5%	90	6.3%	137	6.9%
U.S. or State Highway								
Rural	13	43.3%	167	31.7%	307	21.5%	487	24.6%
Urban	4	13.3%	71	13.5%	195	13.7%	270	13.6%
Local								
Rural	5	16.7%	85	16.1%	279	19.6%	369	18.6%
Urban	5	16.7%	88	16.7%	387	27.1%	480	24.2%
Total	**30**	**1.5%**	**527**	**26.6%**	**1,426**	**71.9%**	**1,983**	

Table 41 shows the number of collisions by severity that each type of commercial motor vehicle was involved in for 2001 to 2005.

Table 41
Collisions Involving Commercial Motor Vehicles by Vehicle Type : 2001-2005

	2001	2002	2003	2004	2005	Change 2004-2005	Avg. Change 2001-2004
Bus							
Fatal Collisions	4	2	1	0	1	100.0%	83.3%
Injury Collisions	42	42	30	37	43	16.2%	-1.7%
Property Damage Collisions	118	116	90	105	94	-10.5%	-2.5%
Single Unit Truck							
Fatal Collisions	11	8	13	12	12	0.0%	9.2%
Injury Collisions	211	175	156	195	161	-17.4%	-1.0%
Property Damage Collisions	417	360	336	402	425	5.7%	-0.2%
Single Unit Truck with Trailer							
Fatal Collisions	1	0	2	2	1	-50.0%	33.3%
Injury Collisions	20	25	29	28	25	-10.7%	12.5%
Property Damage Collisions	83	72	76	90	76	-15.6%	3.6%
Truck Tractor Only (Bobtail)							
Fatal Collisions	1	1	1	1	1	0.0%	0.0%
Injury Collisions	5	6	13	14	8	-42.9%	48.1%
Property Damage Collisions	15	21	30	35	36	2.9%	33.2%
Semi with Single-Trailer Configurations							
Fatal Collisions	15	19	20	16	11	-31.3%	4.0%
Injury Collisions	248	253	235	239	253	5.9%	-1.1%
Property Damage Collisions	601	559	561	629	696	10.7%	1.8%
Semi with Double-Trailer Configurations							
Fatal Collisions	4	3	2	2	4	100.0%	-19.4%
Injury Collisions	32	40	37	35	52	48.6%	4.0%
Property Damage Collisions	104	108	93	113	122	8.0%	3.8%
Semi with Triple-Trailer Configurations							
Fatal Collisions	0	0	1	0	0	0.0%	0.0%
Injury Collisions	1	1	0	2	1	-50.0%	33.3%
Property Damage Collisions	14	11	13	9	6	-33.3%	-11.3%

*** Crashes between vehicle types are not mutually exclusive. In other words, a crash involving a bus and a single unit truck would be represented in both catagories*

Table 42 shows different vehicle types as a percent of all vehicles in collisions excluding pedestrians, bicyclists, and non-motor vehicles.

Table 42
Vehicles in All Collisions by Vehicle Type: 2001-2005

Vehicle Type	2001	2002	2003	2004	2005	Change 2004-2005	Avg. Change 2001-2004
Passenger Cars	22,421	23,102	23,363	23,780	23,931	0.6%	2.0%
%	49.3%	49.9%	50.4%	48.4%	49.0%	1.3%	-0.6%
Pickups, Vans, and Sport Utility Vehicles (SUV's)	20,140	20,334	20,346	22,357	21,830	-2.4%	3.6%
%	44.3%	43.9%	43.9%	45.5%	44.7%	-1.7%	0.9%
Medium Trucks*	770	652	623	743	719	-3.2%	-0.2%
%	1.7%	1.4%	1.3%	1.5%	1.5%	-2.5%	-2.9%
Large Trucks**	1,067	1,057	1,034	1,124	1,222	8.7%	1.9%
%	2.3%	2.3%	2.2%	2.3%	2.5%	9.5%	-0.8%
Buses	166	163	122	143	141	-1.4%	-3.2%
%	0.4%	0.4%	0.3%	0.3%	0.3%	-0.7%	-6.0%
Motorcycles	392	415	452	533	558	4.7%	10.9%
%	0.9%	0.9%	1.0%	1.1%	1.1%	5.4%	8.0%
All Other***	545	577	443	458	393	-14.2%	-4.7%
%	1.2%	1.2%	1.0%	0.9%	0.8%	-13.6%	-7.2%
TOTALS	45,501	46,300	46,383	49,138	48,794	-0.7%	2.6%

**Medium trucks are single unit trucks with more than 2 tires per axle or more than 2 axles.*
***Large trucks include bobtail tractors and tractor-semitrailer combinations.*
****Includes Farm Equipment, Recreational Vehicles, Construction , ATVs, Trains, Snowmobiles, Other, and Unknown or Missing data.*

Table 43 presents injury severity comparisons by vehicle type for all persons in CMV collisions. In 2005, there were 5,453 persons involved in CMV collisions. Occupants of passenger vehicles combined to comprise 39% of the persons involved in CMV collisions. Of the 37 fatalities that occurred in CMV collisions, 76% were occupants of passenger cars, pickups, vans, or other vehicles while 24% were occupants of CMV's.

Table 43
Comparison of Injury Severity for Persons in Commercial Motor Vehicle Collisions: 2005

Injury Severity	Commercial Motor Vehicle	Car	Pickup, Van and SUVs*	All Other**	Totals
Fatalities	9	15	7	6	37
% of Fatalities	24.3%	40.5%	18.9%	16.2%	0.7%
Serious Injuries	41	53	30	9	133
% of Serious Injuries	30.8%	39.8%	22.6%	6.8%	2.4%
Visible Injuries	76	114	62	5	257
% of Visible Injuries	29.6%	44.4%	24.1%	1.9%	4.7%
Possible Injuries	112	128	109	4	353
% of Possible Injuries	31.7%	36.3%	30.9%	1.1%	6.5%
Non-Injury	3,010	818	753	20	4,601
% of Non- Injury	65.4%	17.8%	16.4%	0.4%	84.4%
Unknown	58	7	6	1	72
% of Unknown	80.6%	9.7%	8.3%	1.4%	1.3%
Column Totals	3,306	1,135	967	45	5,453
(% OF TOTAL)	60.6%	20.8%	17.7%	0.8%	

**SUV is an acronym for Sport Utility Vehicles.*
***Includes pedestrians, bicyclists, motorcyclists, farm vehicles, construction equipment, RVs, and trains.*

In 2005, the economic cost of collisions involving commercial motor vehicles was $177.5 million dollars. This represents 10% of the total cost of Idaho collisions (as shown in Table 4).